

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
31 January 2002 (31.01.2002)

PCT

(10) International Publication Number
WO 02/09342 A3(51) International Patent Classification⁷: H04L 1/18

(21) International Application Number: PCT/SE01/01678

(22) International Filing Date: 24 July 2001 (24.07.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/621,672 24 July 2000 (24.07.2000) US

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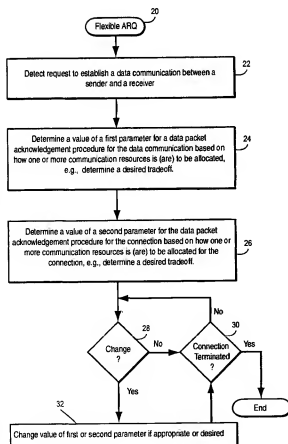
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: FLEXIBLE ARQ FOR PACKET DATA TRANSMISSION



(57) Abstract: The present invention provides a flexible ARQ scheme. A communications channels is set up between a transmitter and a receiver. A value is selected for an ARQ parameter for data packets to be transmitted over the communications channel. The ARQ parameter value may be selected in accordance with a trade-off between a desired performance or goal, e.g., a specific throughput of data packets transmitted over the communications channel, and one or more communication resources required to support the desired performance or goal. An example of an ARQ parameter is a number of outstanding data packets to be acknowledged by the receiver before more packets can be sent to the receiver. Another parameter example is a delay associated with the ARQ scheme. In a preferred, non-limiting example embodiment, first and second ARQ parameter values are selected for a desired trade-off. Accordingly, a specific number of outstanding data packets to be acknowledged by the receiver and an acknowledgement or retransmission delay can be selected to achieve a desired performance, e.g., a desired throughput of data packets, at a particular resource cost. Because of the flexibility provided by the present invention, a communications device may set its own objectives for a particular connection based upon one or more performance requirements, communication resources, or other requirements.

WO 02/09342 A3

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

25 April 2002

INTERNATIONAL SEARCH REPORT

International Application No.

PC./SE 01/01678

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L1/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, INSPEC, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 36150 A (NOKIA TELECOMMUNICATIONS) 14 November 1996 (1996-11-14)	1-9, 24-26, 28-40, 44-48
Y	page 5, line 8 - line 26; claims 1-5	10-23, 27, 41-43, 49,50
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

15 January 2002

Date of mailing of the international search report

01. 03. 2002

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PC./SE 01/01678

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 063 562 A (CHEN MON-SONG ET AL) 5 November 1991 (1991-11-05) column 4, line 19 - line 39 column 5, line 52 -column 6, line 30 abstract ---	1-9, 24-26, 28-40, 44-48
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INTERNATIONAL SEARCH REPORT

International Application No

PL./SE 01/01678

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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